

# GENWAL COAL COMPANY

Aug. 30, 1990

Mr. Lynn Kunzler  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, UT 84180-1203

RE: Water Schedule, Plants, Planting of Roadside Revegetation at  
Mine Site

Dear Lynn,

Enclosed please find a copy of Patrick Collins list of Plants that he planted across from the loadout at the mine site. You will notice at the bottom of his letter is the watering schedule he has asked us to follow. We are keeping a log of this watering at the mine site.

Should you have any questions or need additional information, please feel free to contact me at (801) 687-9813

Sincerely,

GENWAL COAL COMPANY



Randal J. Ralphs  
Surface Foreman

**M T. N E B O S C I E N T I F I C**

research & consulting

p.o. box 337 springville, utah 84663  
(801) 489-6937

August 15, 1990

Al Childs  
GENWAL COAL COMPANY  
195 North 1st West  
Huntington, Utah 84528



Dear Al:

Below is a list of names and numbers of the trees and shrubs that we planted August 14, 1990 on the "Roadside Revegetation" and "Hillside Revegetation" areas at the mine site. I look forward to planting the remainder of the plants in the other areas soon.

Sincerely,

Patrick D. Collins

\* Water schedule below.

SCIENTIFIC NAME	COMMON NAME	NO. PLANTED
<u>Abies concolor</u>	White Fir	8
<u>Cercocarpus ledifolius</u>	Curl-leaf Mtn. Mahogany	6
<u>Cercocarpus montanus</u>	Alder-leaf Mahogany	2
<u>Chrysothamnus nauseosus</u>	Rubber Rabbitbrush	10
<u>Cornus stolonifera</u>	Dogwood	1
<u>Juniperus scopulorum</u>	Rocky Mtn. Juniper	5
<u>Populus tremuloides</u>	Quaking Aspen	46
<u>Prunus virginiana</u>	Chokecherry	6
<u>Rhus trilobata</u>	Squawbush	4
<u>Sorbus scopulina</u>	Mtn. Ash	6

\*WATER SCHEDULE: Aug-Sept. 1990 (M Th); Oct. 1990 (M); May-Oct. 1991 (M, or as needed)

Seed Mix  
Genwal Coal Company  
Crandall Canyon Mine  
ACT/015/032  
January 4, 1989

<u>Species</u>	<u>Rate*</u> <u>Lbs/Acre</u>
GRASSES & FORBES:	
<u>Agropyron smithii</u>	3.0
Western wheatgrass	
<u>Agropyron spicatum</u>	2.0
Bluebunch wheatgrass	
<u>Agropyron trachycaulum</u>	3.0
Slender wheatgrass	
<u>Bromus caranatus (marginatus)</u>	3.0
Mountain brome	
<u>Dactylis glomerata (piaute)</u>	0.5
Orchard grass	
<u>Aster glaucoides</u>	0.5
Blueleaf aster	
<u>Linum lewisii</u>	1.0
Lewis flax	
<u>Melilotus officinalis</u>	0.5
Yellow sweetclover	
<u>Sanguisorba minor</u>	1.0
Small barnet	
<hr/>	
TOTAL	14.5



## DIVISION OF PLANT INDUSTRY

SEED LABORATORY SALT LAKE CITY, UTAH

8356

OFFICIAL SAMPLE ☐SERVICE ☐ FEE \$

ISSUED: February 14, 1991

## SEED INSPECTION AND LABORATORY REPORT

1. SAMPLED AT (NAME & ADDRESS) Genwal Coal Co., 195 North 100 West, Huntington, Utah						
2. NAME OF PERSON FURNISHING RECORDS & INFORMATION Randall Ralphs				3. DATE SAMPLED Oct 17, 1990		
DESCRIPTION OF SHIPMENT: (OBTAINED FROM INVOICE, BILL OF LADING, RECEIVING RECORDS, ETC.)						
4. NAME & ADDRESS OF SHIPPER Stevenson Intermountain Seed, Box 2, Ephriam, Utah				5. DATE SHIPPED Oct 15, 1990		
6. NAME & ADDRESS OF CONSIGNEE Genwal Coal Co., 195 North 100 West, Huntington, Utah				7. DATE RECEIVED Oct 16, 1990		
8. SHIPPED FROM			9. SHIPPED TO			
10. NAME & ADDRESS OF CARRIER United States Postal Service				11. TRANSPORTATION RECORD NO.		
12. KIND AND VARIETY SHOWN		13. LOT NO. M-9059		14. NO. BAGS		15. TOTAL WT.
						16. INVOICE NO.
						17. INVOICE DATE
DESCRIPTION OF SAMPLING:						
18. NO. BAGS RECEIVED 1		19. NO. ON HAND 1		20. NO. SAMPLED 1		21. METHOD OF SAMPLING (LENGTH OF TRIER, BY HAND, ETC.) 39" trier
22. BRANDS OR LOT NOS. STENCILED ON BAGS, OR OTHER DESCRIPTION OF CONTAINERS						
23. WITNESS TO SAMPLING Randall Ralphs						
24. REMARKS						
25. WERE LABELS LIKE THE ONE ATTACHED ON ALL BAGS WHEN SAMPLED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO						
26. IF LABELS WERE NOT ATTACHED DESCRIBE THE DOCUMENT ON WHICH THE LABEL APPEARED.						
27. WERE BAGS SHIPPED WITHOUT LABELS BY AGREEMENT WITH THE CONSIGNEE? <input type="checkbox"/> YES <input type="checkbox"/> NO						
28. NET WT. CLAIMED 31.92 LBS. OZ.						
29. NAME AND ADDRESS OF DEALER SHOWN Stevenson Intermountain Seed, Box 2, Ephriam, Utah						
30. CODE DESIGNATION, IF ANY AMS PMA						
31. LOT NO. M-9059		32. ORIGIN See Label		33. CERTIFIED? <input type="checkbox"/> YES <input type="checkbox"/> NO		34. WHERE CERTIFIED?
35. GRADE		36. SUBSTANCE USED IN TREATMENT OF SEED				
ANALYSIS CLAIMED		KIND AND VARIETY		PURE SEED %		WEED SEED %
37. Genwal Seed Mixture		38. 0.05		40. 1.55		41. 0.04
NOXIOUS WEEDS		46. None		42. See Label		43. 44. 45. See Label
* FOUND BY STATE LAB.		47. Seed mixture		48. PASSED TEST		49. 50. 51. 52. PASSED TEST
56. NOXIOUS WEED SEEDS		NUMBER OF SEEDS PER POUND		57. OTHER WEED SEEDS		NUMBER OF SEEDS PER POUND
PASSED TEST						
59. DATE SAMPLE RECEIVED BY LABORATORY 11/13/90		60. WEIGHT OF SAMPLE 340 grams				

61. REMARKS: This bag was rotated end over end 4 times and side to side 5 times to make sure seed had not settled. Seed sample was drawn corner to corner and corner to middle of top of bag from the bottom.

SEED TEST REPORT APPLIES ONLY TO THE SAMPLES SUBMITTED. SAMPLES SHOULD BE REPRESENTATIVE OF THE LOTS FROM WHICH THEY ARE TAKEN. THE SEED LABORATORY DISCLAIMS ANY RESPONSIBILITY FOR THE ACCURACY OF THE SAMPLING, UNLESS THE SAMPLE IS TAKEN BY AN AUTHORIZED EMPLOYEE OF THE UTAH STATE DEPARTMENT OF AGRICULTURE. IN REFERRING TO SAMPLES PLEASE GIVE LABORATORY TEST NUMBER.

\* VARIETY CONFIRMED BY LABORATORY ONLY WHEN STATED.

*H. R. Wilson*  
G.R. WILSON — SUPERVISOR GRAIN,  
SEED and FEED INSPECTION

# GENWAL COAL COMPANY

January 3, 1991

Mr. Lynn Kunzler  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, UT 84180-1203

RE: Permit # ACT 015-032  
Genwal Coal Company  
Reseeding of Disturbed Areas &  
Extemporaneous Seeding

Dear Mr. Kunzler:

On October 22nd and 23rd, 1990, Genwal Coal Company completed the abatement of NOV 90-17-3-2 Step #3 by applying approved seed mix to the area mentioned in the NOV. At that time, the approved seed mix was also applied to the disturbed slope just east of the substation high wall north of the truck turn-around area. See attached map for locations.

The following is a brief description of the reseeding techniques and procedures:

- 1) Soil Preparation: Both areas were hand raked to provide a loose friable seedbed.
- 2) Seed: The seed mixture was obtained from Stevenson Intermountain and was applied following the species and amounts per acre as required by our mining and reclamation permit. The seed was broadcast by hand, then raked into the soil to ensure proper seed soil contact. See attached list of approved seed mixture.
- 3) Clean straw was used as cover for the seed bed. It was spread over the entire area and crimped into the soil by use of a shovel.

Should you have any questions or need additional information, please feel free to contact me at 687-9813.

Sincerely,

GENWAL COAL COMPANY

Randal J Ralphs  
Surface Foreman

tr

# Stevenson Intermountain Seed

Box 2  
Ephraim, Utah 84627  
(801) 283-6639

## Genwal Seed Mixture

Variety/Species	% Pure Seed	% Germ	% Dorm	% Germ & Dorm	Origin	Test Date
Western Wheatgrass	21.36	68	20	88	CO	5/90
Bromar Mountain Brome	19.39	97		97	CO	4/90
Slender Wheatgrass	19.37	97		97	WA	4/90
Secar Bluebunch Wheatgrass	13.62	92		92	WA	5/90
Appar Lewis Flax	7.63	82		82	ID	5/90
Delar Small Burnet	6.74	93		93	ID	4/90
Yellow Sweetclover	3.57	88		88	CAN	2/90
Blueleaf Aster	3.49	87TZ		87TZ	UT	4/90
Patute Orchardgrass	3.19	98		98	OR	2/90

% Inert 1.55 % Crop .04 % Weed .05 % Nox. Weed none

Net Wt. 31.92 Seed Mixture Lot No. M-9059 Customer Order No. 2238

GUARANTEE: Stevenson Intermountain Seed guarantees its seed to be of promised quality and true to name as specified, within recognized tolerances, but express or imply no further guarantee. Liability shall be limited to replacement or refund of purchase price.

**P.O. Box 2  
Ephraim, Utah 84627  
(801) 283-6639**

Sold To:				Shipped To:			
General Coal Company, Inc.				Same			
95 N 100 W P.O. Box 1201							
Huntington, UT 84528							
Customer Order No.	Ordered by	Date	Terms	F.O.B.	Shipped Via	Salesman	
2238	Ronald Ralph	12/11/90	Net 30	Ephraim	USPS	Ron S	
Quantity lbs.	PLS/Bulk	Lot No.	Description	Unit Price	Amount		
			Seed Mixture consisting of:				
6	PLS	S-7026	Western Wheatgrass				
4	PLS	S-7068	Bluebonnet Wheatgrass				
6	PLS	S-7027	Slender Wheatgrass				
6	PLS	S-9028	Mtn. Brome				
1	PLS	PG7-9-PG62	Pinkie Orchardgrass				
1	PLS	S-7042	Blueleaf Aster				
2	PLS	S-7074	Lewis Flax				
1	PLS	B254	Yellow Sweetclover				
2	PLS	S-9047	Small Burnet				
			Total		150	72	
			Shipping		4	62	
			<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; left: 0; transform: rotate(-45deg); font-size: 2em;">1442 / 52203</div> </div>				
			Invoice				
			M.R.				
			P.O.				
			Extended				
			Keyed				
			Thank you.				
Received by:				TOTAL DUE: 155 50			

Interest is charged at 1.5% per month (18% A.P.R.) on all accounts past due.

**Sevenson Intermountain Seed** guarantees its seed sold is as described on the label, within recognized tolerances, but does not warrant, represent or imply no further guarantee. Our liability is limited in amount to the purchase price. Any claims against seed purchased must be made in writing within 10 days after receipt of shipment.

